CLAIMS

What is claimed is:

1. (Cancelled)

2. (Cancelled)

3. (Cancelled)

4. (Currently Amended) [The] A system [of Claim 3], comprising:

at least one Session Initiation Protocol (SIP) header containing information derived at least in part from an over-the-air (OTA) protocol message from a wireless communication device; and

at least one telephony infrastructure component receiving the information for use thereof in establishing communication with the wireless communication device,
wherein the OTA protocol message is a code division multiple access (CDMA) initiation request message,

the information represents CDMA call set-up parameters, and
the parameters are related to the OTA protocol and are not related to voice over Internet Protocol (VOIP) communication within the infrastructure.

5.   (Original) The system of Claim 4, wherein the information includes at least one station classmark.

6.   (Original) The system of Claim 5, wherein the classmark represents at least wireless telephone power.

7.   (Original) The system of Claim 4, wherein the information represents whether a signalling encryption is supported by the wireless communication device.

8.   (Original) The system of Claim 4, wherein the information represents MOB_TERM status of the wireless communication device.

9. (Cancelled)

10. (Cancelled)

11.   (Currently Amended) The system of Claim [1]4, wherein the header is part of an SIP message from a virtual IP endpoint, and the information represents communication from a non-IP enabled CDMA communication device.

12. (Cancelled)

13. (Currently Amended) A [The] method [of Claim 12] for facilitating communication between a wireless communication device transmitting information using an over-the-air (OTA) protocol and a telephony infrastructure using IP protocol to communicate information within the infrastructure, comprising:

    adding data in at least one IP message header representing at least one OTA network parameter, wherein the parameter is related to the OTA protocol but not to voice over IP (VOIP) protocol used within the infrastructure.

14. (Cancelled)

15. (Currently Amended) The method of Claim [14] 13, wherein the parameter includes a station classmark and the classmark represents at least wireless telephone power.

16. (Cancelled)

17. (Cancelled)

18. (Cancelled)

19. (Cancelled)

20. (Cancelled)

21. (Cancelled)

22. (Cancelled)

23. (Cancelled)

24. (Cancelled)

25. (Cancelled)

26. (Currently Amended) A [The] wireless communication device infrastructure [of Claim 25] transmitting information internally to the infrastructure using Internet Protocol (IP) messages, at least one message being sent from a virtual IP endpoint within the infrastructure and representing communication from a wireless communication device transmitting information using an over-the-air (OTA) protocol different from IP, wherein the information is transmitted in at least one header of at least one session initiation protocol (SIP) message, the information represents CDMA call set-up parameters, and the parameters are related to the OTA protocol and are not related to voice over Internet Protocol (VOIP) communication within the infrastructure.

27. (Cancelled)

28. (Currently Amended) The infrastructure of Claim [27] 26, wherein the information includes at least one station classmark and the classmark represents wireless telephone power.

29. (Cancelled)

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30.   (Cancelled)

31.   (Cancelled)

32.   (Cancelled)

33. (Currently Amended) A [The] <u>wireless communication device</u> infrastructure [of Claim 22] <u>transmitting information internally to the infrastructure using Internet Protocol (IP) messages, at least one message being sent from a virtual IP endpoint within the infrastructure and representing communication from a wireless communication device transmitting information using an over-the-air (OTA) protocol different from IP</u>, wherein <u>the information is transmitted in at least one header of at least one session initiation protocol (SIP) message and</u> the header is part of an SIP message from a virtual IP endpoint, and the information represents communication from a non-IP enabled CDMA communication device.

34. (Cancelled)

35. (Cancelled)

36. (Cancelled)

37. (Currently Amended) <u>A</u> [The] method [of Claim 36], <u>comprising:</u>

    <u>using extended session initiation protocol (SIP) headers to transmit over-the-air (OTA) protocol parameters within an infrastructure using at least one voice over Internet Protocol (VOIP), such that a protocol other than the VOIP need not be used within the infrastructure to effect call set-up between a wireless communication device and another communication device via the infrastructure,</u> wherein <u>the parameters include a station classmark and</u> the classmark represents telephone power.

38. (Cancelled)

39. (Cancelled)

40. (Cancelled)

41. (Cancelled)

42. (Cancelled)

43. (Cancelled)

44. (Cancelled)

45. (Cancelled)

46. (Cancelled)

47. (Cancelled)

48. (Cancelled)

49. (Cancelled)

50. (Cancelled)

51. (Cancelled)

52. (Cancelled)

53. (Cancelled)

54. (Cancelled)

55. (Cancelled)

56. (Cancelled)

57. (Cancelled)

58. (Currently Amended) A [The]method [of Claim 18] for facilitating communication between a wireless communication device transmitting information using an over-the-air (OTA) protocol and a telephony infrastructure using IP protocol to communicate information within the infrastructure, comprising:

  adding data in at least one IP message header representing at least one OTA network parameter;

  sending a first SIP Invite message containing a full OTA address of an originating wireless endpoint;

  receiving a destination address in response thereto; and

  sending a second SIP Invite message containing only parameters required for SIP VOIP communication and excluding CDMA-specific parameters not required for SIP VOIP communication, wherein the message header is a portion of a Session Initiation Protocol (SIP) Invite Request message.

59. (Currently Amended) A [The] method[of Claim 34], comprising:

  using extended session initiation protocol (SIP) headers to transmit over-the-air (OTA) protocol parameters within an infrastructure using at least one voice over Internet Protocol (VOIP), such that a protocol other than the VOIP need not be used within the infrastructure to effect call set-up between a wireless communication device and another communication device via the infrastructure;

  sending a first SIP Invite message containing at least some CDMA-specific parameters not required for SIP VOIP communication;

  receiving a destination address in response thereto; and

sending a second SIP Invite message containing only parameters required for SIP VOIP communication and excluding CDMA-specific parameters not required for SIP VOIP communication.